

Ex No: 13

Ring Program

Aim:

To Implement your own ping program

Algorithm:

```
import socket
import time
```

```
def ping_server(host=127.0.0.1, port=12345):
    with socket.socket(socket.AF_INET,
        socket.SOCK_DGRAM) as s:
```

try:

```
s.settimeout(2)
```

```
start = time.time()
```

```
s.sendto('ib Ring, (host, port)
data, addr = s.recvfrom(1024)
```

```
end = time.time()
```

```
print(f"Received {data.decode()}
from {addr} in {end - start:.2f} seconds")
```

```
except socket.timeout:
```

```
print("Request time out")
```

```
if __name__ == "__main__":
```

```
    ping_server()
```

Input/Output:

When server is active

Received ping from ('127.0.0.1', 12345) in
0.00 seconds

when server is inactive,
Request timed out

Result:

The program to implement
your own ping program is imple-
mented successfully.

✓
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